ATMOS

155mm truck-mounted howitzer for increased mobility and enhanced firing capabilities

Elbit Systems™ Land

ATMOS

155mm truck-mounted howitzer for increased mobility and enhanced firing capabilities

Elbit Systems' ATMOS is a 155mm/52 caliber truck-mounted howitzer that offers the advantages of superior fire power, enhanced mobility and rapid response time. Highly adaptable, the modular ATMOS system is compatible with any 6x6 or 8x8 high-mobility tactical truck. ATMOS supplies fire support for all types of missions and can be easily interfaced with customers' existing C^4I systems.

Part of Elbit Systems' line of fully integrated, modular artillery solutions, ATMOS incorporates an embedded electronic suite, automatic laying system and automatic loading system. The advanced electronic suite effectively enables accurate navigation and autonomous operation, reduced crew size, increased fire power and high precision accuracy.

Flexible platform configurations

The ATMOS can be mounted on any adapted high-mobility 6x6 or 8x8 truck chassis preferred by the customer. The protected cabin of the ATMOS is designed for a crew of 5-6 personnel, a driver, a commander, and an additional three to four crew members along with all personal equipment and small arms. The cabin is equipped with an air conditioning system that is capable of both heating and cooling. The concept behind the ATMOS can be applied for the modernization of legacy towed guns, incorporating advanced new technologies like INS, MVR, ballistic computers, C^4I, hydraulics and electrical drives.

Superior firepower capabilities

The ATMOS achieves ranges exceeding 40km with ERFB-BB ammunition and suitable propelling charge.

Designed specifically for rapid deployment and operation on difficult terrain, the ATMOS's shoot-and-scoot capabilities are supported by an integrated electronic suite incorporating an INS-based laying system, as well as an automatic loading system that reduces crew effort.

The ATMOS can fire all types of qualified 155mm ammunition, projectiles and charges that are in use by NATO and other countries. On board containers store a minimum of 18 rounds, including projectiles, propellants and fuzes.

Battle-proven and fully operational

A fifth generation gun, the ATMOS provides advanced fire support for a wide range of missions and is operational in artillery forces around the world.

Key Benefits

- Available with any 6x6 or 8x8 in-service truck
- Integrated with a complete electronic suite
- Integrated with system command and control at all levels
- Rapid deployment with high tactical mobility and rapid response time
- Protected and armored crew cabin
- Integrated logistic support and all-level maintenance program
- Low life-cycle cost

ATMOS

155mm truck-mounted howitzer for increased mobility and enhanced firing capabilities

Technical Specifications

Gun assembly		
	Caliber	155mm / 52 Cal
	Breech Type	Horizontal sliding
	Recoil Buffer type	Hydraulic – single cylinder
	Recuperator	Hydro-pneumatic
Loading System		
	Automatic	Hydraulically operated
Gun drive system		
	Drive type	Hydraulic with manual backup
	Traverse range	±25°
	Elevation range	up to +70°
	Positioning accuracy	1 mil
Electronics suite		
	Laying	Automatic INS & GPS based
	Communication to FDC	Data and voice
	Navigation	INS & GPS with built-in maps
	Muzzle Velocity Radar	Integrated on the ordnance
Platform		
	Platform Type	6x6 or 8x8 high mobility truck
	Road speed	More than 80km/h
	Off road speed	Up to 30km/h
Physical parameters		
	Max total weight	29,000kg
	Width while travelling	2,550 mm
	Max Length while travelling	9,500 mm
Operational parameters		
	On board ammunition	Minimum of 18 full projectiles
	Deployment time	60 seconds with electronic suite
	Disengagement time	60 seconds with electronic suite
	Firing range (ERFB-BB)	More than 40km

Elbit Systems™ Land

Elbit Systems Land
E-mail: land@elbitsystems.com www.elbitsystems.com

Follow us on

The logo, brand, product, service, and process names appearing herein are the trademarks or service marks of Elbit Systems Ltd., its affiliated companies or, where applicable, of other respective holders.
All information in this document is for general information only, and is subject for change without notice. © 2018. This brochure contains Elbit Systems and others proprietary information. EP11-MKT-011 Ver.3